

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Jae Sang CHA

Serial No.: New Application Group Art Unit: Not Yet Assigned

Filed: December 20, 2001 Examiner: Not Yet Assigned

Title: APPARATUS FOR GENERATING TERNARY SPREADING CODES WITH ZERO
CORRELATION DURATION AND METHOD THEREFOR# RS
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Jc971 U.S. PTO
10/022730
12/20/01INFORMATION DISCLOSURE STATEMENTHonorable Commissioner for Patents
Washington, DC 20231

December 20, 2001

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

In accordance with 37 CFR §1.97(b)(1) or (2), this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, or within three months of the date of entry into the national stage of the above-identified application as set forth in 37 CFR §1.491. Accordingly, no fee is required.

Respectfully submitted,

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: P67432US0 GROUP ART UNIT: Not Yet Assigned
 SERIAL NO.: Not Yet Assigned FILING DATE: December 20, 2001
 APPLICANT(S): Jae Sang CHA TODAY'S DATE: December 20, 2001

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12/20/01

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	INT'L CLASS	SUB- CLASS	FILING DATE (If Appropriate)
AA						
AB						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES) (NO)
AC	2000-39210	07/05/00	Korea	H04B	01/69	X
AD						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AE	<u>Cha, et al.; New binary sequences with ...; Electronics Letters, May 25, 2000, vol. 36, no. 11, p.1-2.</u>					
AF	<u>Suehiro; A Signal Design without...; IEEE Journal on Selected Areas in Communications, vol. 12, no.5, June 1994, p.837-841.</u>					
AG	<u>Saito, et al.; New Quasi-Synchronous Sequences...; IEICE Trans Fundamentals, vol. E81-A, no. 11, Nov., 1998, p.2274-2279.</u>					
AH	<u>Cha; Class of ternary spreading...; Electronics Letters, May 10, 2001, vol.37, no. 10, p. 636-637.</u>					

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Information Disclosure Statements

U.S. Patent Application for APPARATUS FOR GENERATING TERNARY
SPREADING CODES WITH ZERO CORRELATION DURATION AND METHOD
THEREFOR

Our Ref. No. P01E7021/US/js

Reference Nos. : KR Laid-open No.2000-39210

Papers :

- (1) New binary sequences with zero-correlation duration for approximately synchronised CDMA
- (2) A Signal Design without Co-Channel Interference for Approximately Synchronized CDMA Systems
- (3) New Quasi-Synchronous Sequences for CDMA Slotted ALOHA Systems
- (4) Class of ternary spreading sequences with zero correlation duration